STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information
Center (STIC) detected errors when processing the following computer readable
form:

Application Serial Number: _09/433,777_
Source: _(FW)16_
Date Processed by STIC: _8/29/06_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE
   APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A
   NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER
VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
    http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is
a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the
United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , EFS Submission
   User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
   U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street,
   Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

| ERROR DETECTED | SUGGESTED CORRECTION | SERIAL NUMBER: _09/433,777_ |

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 ✓ Wrapped Nucleics / Wrapped Aminos — The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 ____ Invalid Line Length — The rules require that a line **not exceed 72** characters in length. This includes white spaces.

3 ____ Misaligned Amino Numbering — The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

4 ✓ Non-ASCII — The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**

5 ____ Variable Length — Sequence(s)____contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 ____ PatentIn 2.0 "bug" — A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

7 ____ Skipped Sequences (OLD RULES) — Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

8 ____ Skipped Sequences (NEW RULES) — Sequence(s) _____ missing. If **intentional**, please insert the following lines for **each** skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 ____ Use of n's or Xaa's (NEW RULES) — Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 ____ Invalid <213> Response — Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence. (see item 11 below)

11 ____ Use of <220> — Sequence(s) ____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules

12 ____ PatentIn 2.0 "bug" — Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 ____ Misuse of n/Xaa — "n" can **only** represent a single <u>nucleotide</u>; "Xaa" can **only** represent a single <u>amino acid</u>

AMC – STIC Systems Branch – 03/02/06

IFW16

RAW SEQUENCE LISTING   DATE: 08/29/2006
PATENT APPLICATION: US/09/433,777   TIME: 08:38:27

Input Set : N:\RJAVED\09433777.txt
Output Set: N:\CRF4\08292006\I433777.raw

```
  3 <110> APPLICANT: Haynes, Joel
  4         Widera, Georg
  5         Fuller, James
  6         Shipley, Timothy
  7         Fuller, Deborah
  8         Wu, Mary
 10 <120> TITLE OF INVENTION: ADJUVANTED GENETIC VACCINES
 12 <130> FILE REFERENCE: 036481-0135
 14 <140> CURRENT APPLICATION NUMBER: US 09/433,777
 15 <141> CURRENT FILING DATE: 1999-11-03
 17 <150> PRIOR APPLICATION NUMBER: US 09/122,931
 18 <151> PRIOR FILING DATE: 1998-07-27
 20 <150> PRIOR APPLICATION NUMBER: US 08/472,085
 21 <151> PRIOR FILING DATE: 1995-06-07
 23 <160> NUMBER OF SEQ ID NOS: 7
 25 <170> SOFTWARE: PatentIn version 3.0
```

see item 4 on Error Summary Sheet

see pp. 1-2

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

```
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 10
 29 <212> TYPE: DNA
 30 <213> ORGANISM: Artificial
 32 <220> FEATURE:
 33 <223> OTHER INFORMATION: translation initiation sequence
 35 <400> SEQUENCE: 1
E--> 36 gccaccatgg
 37 10
 39 <210> SEQ ID NO: 2
 40 <211> LENGTH: 10
 41 <212> TYPE: DNA
 42 <213> ORGANISM: Artificial
 44 <220> FEATURE:
 45 <223> OTHER INFORMATION: translation initiation sequence
 47 <400> SEQUENCE: 2
E--> 48 gcccccatgg
 49 10
 51 <210> SEQ ID NO: 3
 52 <211> LENGTH: 20
 53 <212> TYPE: DNA
 54 <213> ORGANISM: Artificial
 56 <220> FEATURE:
```

what is the source of genetic material? (see item 11 on Error Summary Sheet) (global error)

10 → see item 1 on Error Summary Sheet

10 same error (see item 1 on Error Summary Sheet)

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PATENT APPLICATION: US/09/433,777   TIME: 08:38:27

Input Set : **N:\RJAVED\09433777.txt**
Output Set: **N:\CRF4\08292006\I433777.raw**

```
     57 <223> OTHER INFORMATION: synthetic oligonucleotide comprising CpG motifs
     59 <400> SEQUENCE: 3
E--> 60 tccatgacgt tcctgatgct        20
     61 20
     63 <210> SEQ ID NO: 4
     64 <211> LENGTH: 17
     65 <212> TYPE: DNA
     66 <213> ORGANISM: C. limosum
     68 <400> SEQUENCE: 4
E--> 69 gactctcgag cgttctc        17
     70 17
     98 <210> SEQ ID NO: 7
     99 <211> LENGTH: 12
    100 <212> TYPE: PRT
    101 <213> ORGANISM: Artificial
    103 <220> FEATURE:
    104 <223> OTHER INFORMATION: peptide used to stimulate CTL precursors
    106 <400> SEQUENCE: 7
    108 Ile Pro Gln Ser Leu Asp Ser Trp Trp Thr Ser Leu
    109 1               5                   10
E--> 113 1   delete
```

VERIFICATION SUMMARY
PATENT APPLICATION: **US/09/433,777**

DATE: 08/29/2006
TIME: 08:38:28

Input Set : **N:\RJAVED\09433777.txt**
Output Set: **N:\CRF4\08292006\I433777.raw**

L:36 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:10 SEQ:1
L:48 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:10 SEQ:2
L:60 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:3
L:69 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:17 SEQ:4
L:113 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:7